

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NIPPON MEKTRON LTD

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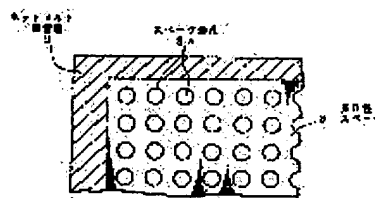
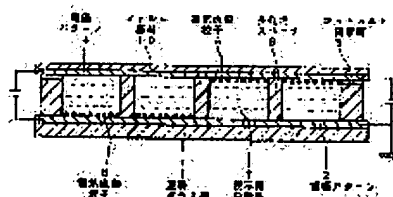
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(54) ELECTROPHORETIC DISPLAY DEVICE AND PRODUCTION THEREOF

(57)Abstract:

PURPOSE: To easily and surely inject a dispersion system into the respective pores of porous spacers by providing hot-melt adhesive layers which can be thermocompression bonded in the circumferential regions of the spacers and forming one of electrode plates flexible.

CONSTITUTION: The dispersion system 7 dispersed with electrophoresis particles 6 is excessively supplied to the porous spacers 8 packaged on an electrode pattern 2 side of the rigid electrode plate and thereafter, the flexible electrode is disposed on the spacers 8 in such a manner that the electrode patterns 4 thereof face the electrode patterns 2 of the rigid electrode plate. The hot-melt adhesive layers 9 provided around the spacers 8 and the flexible electrode plate 4 are thermocompression bonded while the excess dispersion system 7 is extruded out by pressing the front surface of the flexible electrode plate 4 under heating to seal the dispersion system 7 into the respective pores 8A of the spacers 8. The sure injecting treatment and sealing treatment of the dispersion system 7 are rapidly executed in this way.



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